

**Amendments to the Claims:**

Please amend claim 1, cancel claims 2-4 and add new claims 5-7.

This listing of claims will replace all prior versions and listings of claims in the application:

1. (currently amended) A sense amplifier, comprising:

- a. a sampling circuit receiving an input signal to the sense amplifier;
- b. a reference node ~~storing~~ operable to store a reference signal corresponding to the input data;
- c. a timing circuit activating the sampling circuit ~~for~~ a predetermined interval before measurement of the input signal is to be taken, the sampling circuit admitting the ~~reference~~ input signal to the reference node thereby

2-4. (canceled)

5. (new) A method of sensing input data comprising:

- receiving an input signal;
- admitting the input signal to a reference node a predetermined interval before measurement of the input signal is to be taken; and
- storing the input signal admitted to the reference node as a reference signal.

6. (new) The method of claim 5 wherein receiving an input signal comprises receiving the input signal at a sampling circuit.

7. (new) The method of claim 6 wherein admitting the input signal to a reference node comprises activating the sampling circuit a predetermined interval before measurement of the input signal is to be taken.

8. (new) The method of claim 5 further comprising measuring the input signal the predetermined interval after admitting the input signal to the reference node.